Audiocom®

TELEX®

Balanced Audio Intercom System

innovative solutions for today's communications™

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innovative solutions for today's communications™

Telex Communications Inc. has been a leading manufacturer of hardwired and wireless intercom for over 25 years. With mission critical installations in every corner of the world, Telex intercom systems provide the widest range of rugged and reliable intercommunication solutions for virtually any application.

Telex Audiocom® intercom systems, featuring industry leading balanced audio system structure and highly configurable and expandable modular designs, are utilized in virtually every kind of application and venue throughout the world.

Applications include theaters, theme parks, houses of worship, hotels, casinos, education, industrial, military and corporate venues.

Whatever your requirements may be, Telex has the intercom system that's right for you. Telex intercoms are the systems choice among communications professionals everywhere. Why not make it yours!

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Audiocom Intercom Systems

Why Choose Audiocom®

Telex products are designed and built using the latest and most sophisticated processes available. Audiocom intercom equipment employs superior technology compared with other TW party line intercoms. In a business where manpower, space and cabling are at a premium, Audiocom products provide users with a competitive advantage by offering modular, open-ended designs and unparalleled reliability. Systems start with a 2 or 4-channel master station (MS2002 or MS4002) and expand into convenient 4-channel expansion panels (EMS4001), for up to 22 individual intercom channels.

Audiocom is unique among professional intercom systems today. Audiocom intercom systems utilize a technologically superior balanced audio transmission configuration. The use of balanced audio produces a variety of functional benefits, including lower inherent system noise, immunity to external noise sources such as RFI, dimmers and AC power, and the ability to make substantially longer cabling runs without special wiring.

The unique balanced audio design of Audiocom intercom systems allows users the longest TW party line cable runs in the industry; up to 3000 feet. This is critical when installing large or widely dispersed systems. The differential input/output guarantees excellent audio quality, even under the harshest conditions. Superior audio quality reduces user fatigue and missed cues as a result of users not wearing their headsets, or "tuning out" the noise.

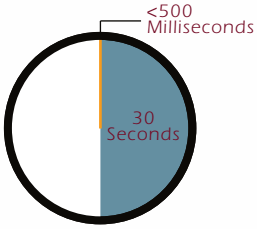
Audiocom utilizes a distributed amplifier system structure. Each main or remote station houses its own microphone preamplifier, headset or speaker power amplifier and signaling circuitry. Stations bridge the intercom line at a very high impedance (more than 10K Ohms), and place a minimum load on the line. High bridging impedance — plus special load sensing circuitry — ensures that the audio level always remains constant, and does not fluctuate as stations are added or removed from the system, as may occur on other professional intercom systems.

Audiocom products provide users with valuable features such as Remote Mic OFF, backlit lettered buttons for darkened environments and compatibility with every major intercom system on the planet. In addition to the excellent Telex quality and performance, Audiocom products provide users with cost effective system pricing and world-class technical support from one of the most experienced sales, engineering and customer service teams in the intercommunication industry.

Actively and continuously evaluates line condition

Shuts down when fault is detected

Power supply never gets hot— because excessive current is not drawn



Restores power instantly after fault condition is removed

Restores power 60 times faster than competition

Instantaneous Auto Reset™

The Audiocom Instantaneous Auto Reset™ (IAR) technology is the next quantum leap in intercom performance and safety. Revolutionary new circuitry dynamically monitors line fault conditions and automatically and instantaneously brings individual power supply channels up when a fault condition is removed. This technology is a far cry from the "if it gets too hot shut it down" systems currently in use by other manufacturers.

Other systems may get extremely hot under short circuit fault conditions and take 30 or more seconds to reset — after a fault is removed an eternity when you are waiting to give a critical cue. To make matters worse, in many cases power provided from the affected multi-channel supply feeding non-shorted intercom channels can also be removed, taking down critical communications links that should have otherwise been completely unaffected. In addition to the power supplies potentially melting down, this situation can create fire hazards.

In an effort to find a more elegant solution to the power supply reset problem, Telex engineers took a new and unique approach. The new Auto-reset technology utilizes the same failsafe current-sensing circuitry currently found in existing Audiocom systems to ensure the utmost in safety and reliability, but, with IAR™, adds an intelligent circuit to dynamically monitor the line and instantaneously reset power upon fault removal.

IAR™ intelligent circuitry does not just wait for the unit to cool off and turn the power back on to see if it draws excessive current (as with other manufacturers); it actively and continuously evaluates the line condition. Using advanced comparator circuits, it instantaneously restores power to the affected intercom channel as soon as it is safe to do so. The whole process of restoring power after the fault condition is removed takes less than 500 milliseconds. That's 60 times faster than the competition!

By using readily available off the shelf components to create this innovative new Auto-reset technology Telex engineers have raised the bar of power supply performance and safety to a whole new level. All future Audiocom power supplies will be fitted with this new technology. Users and facility managers can rest assured that, regardless of conditions down line from the power supply, Audiocom's Instantaneous Auto Reset technology will ensure a safe and immediate return of intercom power when the fault is removed.

...Just a few of the ways Telex Audiocom engineers are providing innovative solutions for today's communications.™

Audiocom®
innovative solutions for today's communications™

MS4002 **& MS**2002

Master Stations

The Audiocom Master Stations provide user station flexibility with intercom system phantom power in the convenience of 1RU box. Master Stations offer users the ultimate in performance and flexibility. Operators can utilize headset or speaker/mic operation and have full access to all intercom channels — both individually and as "all talk". Master Station users can also utilize innovative features like the Remote Mic Kill function to silence any open mic on the intercom channel so that extraneous noise can be eliminated. Can operate in an unbalanced mode to be completely Clear-Com® compatible.

Additional MS 4002 features:

- Auto-Sensing Headset Connector. The MS-4002 has a built-in autosensing headset connector that will determine automatically whether a dynamic or electret headset is connected to the system.
- The MS-4002 is equipped with an Advanced Programming Mode on the front panel, eliminating the need for internal DIP switches to change operation modes.
- 4 Amps Power Supply

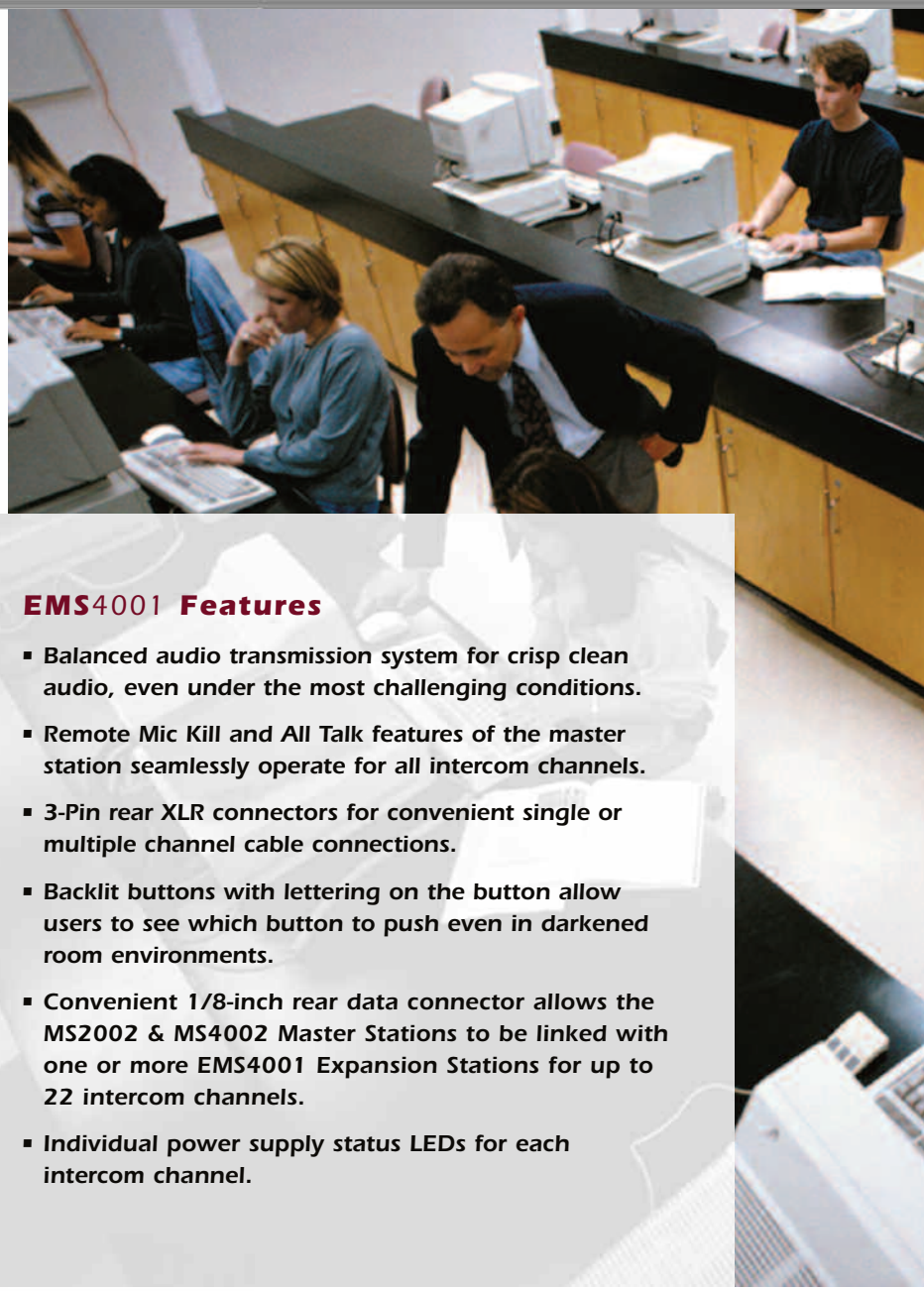
MS4002 and MS2002 Features

- Combined user station and power supply in a convenient 1RU package.
- Individual IAR (Instantaneous Auto Reset) control of each intercom power supply channel for quick resets and unparalleled safety.
- Balanced audio transmission system for crisp clean audio, even under the most challenging conditions.
- Headset operation for noise reduction and privacy.
- Front panel Speaker/Mic operation for convenience or multiple user operation. (Optional MCP 90-0, MCP 90-3, MCP 90-8, MCP 90-12 or MCP 90-18 panel mount microphone required).
- Remote Mic Kill feature allows users to silence any open mic on the intercom channel.
- Separate Listen, Call and Talk buttons with digi-latch™ technology give users complete control of system communications while maintaining ease of operation.
- 3-Pin and 6-Pin rear XLR connectors for convenient single or multiple channel cable connections. (MS4002 has only 3 pin XLR)
- Backlit buttons with lettering right on the button allow users to see which button to push, even in darkened room environments.
- Public Address (PA) Output with PA key — Use your intercom microphone to talk over a PA system.
- Convenient 1/8-inch rear data connector allows the MS4002/MS2002 Master Station to be linked with one or more EMS4001 Expansion Stations for up to 22 intercom channels.
- Listening with External Powered Speakers. You can connect external powered speakers and then monitor the channels.
- VOX (voice activated microphone) feature is on/off programmable via front panel, with individual trim pots for headset and front panel microphones.
- Program Input for Each Channel. Connect any line-level audio source for monitoring in the speaker or headset, or for routing to the intercom channel. The program audio to the channel can be set to interrupt while the MS-4002/MS-2002 operator is talking on the channel.

Master Stations

Expansion Master Stations

The Audiocom EMS4001 Master Station Expansion Panel connects seamlessly to the MS2002 or MS4002 Master Stations to increase the number of discrete intercom channels from two up to 22. All functions of the Master Station are preserved for all intercom channels by linking the EMS4001(s) to the MS4002 / MS2002 via a convenient 1/8-inch rear data connector. Headset and/or Speaker/Mic operation for all intercom channels is accessed through the MS2002 or MS4002 Master Station. Can operate in an unbalanced mode to be completely Clear-Com® compatible.



EMS4001 Features

- **Balanced audio transmission system for crisp clean audio, even under the most challenging conditions.**
- **Remote Mic Kill and All Talk features of the master station seamlessly operate for all intercom channels.**
- **3-Pin rear XLR connectors for convenient single or multiple channel cable connections.**
- **Backlit buttons with lettering on the button allow users to see which button to push even in darkened room environments.**
- **Convenient 1/8-inch rear data connector allows the MS2002 & MS4002 Master Stations to be linked with one or more EMS4001 Expansion Stations for up to 22 intercom channels.**
- **Individual power supply status LEDs for each intercom channel.**

EMS4001 (can be used with both MS2002 & MS4002)

User Stations

Audiocom User Stations are versatile, durable and incredibly flexible. Using a unique modular design concept, US2002 User Stations can be configured in numerous ways to suit virtually any application. User Stations can be combined with power supplies of different types to form a host of Master Station configurations, or can be used without a power supply so that users can access multiple intercom channels with all of the features of a Master Station. User Stations can also be combined with Expansion Stations for access to even more intercom channels (up to 22 discrete channels). User Station users can also utilize innovative features like the Remote Mic Kill function to silence any open mic on the intercom channel so that extraneous noise can be eliminated. Can operate in an unbalanced mode to be completely Clear-Com® compatible.

US2002 Features

- **Balanced audio transmission system for crisp clean audio even under the most challenging conditions.**
- **Headset operation for noise reduction and privacy.**
- **Front panel Speaker/Mic operation for convenience or multiple user operation. (Optional MCP90-3, MCP90-8, MCP90-12, MCP90-18 panel mount microphone required.)**
- **Remote Mic Kill feature allows users to silence any open mic on the intercom channel.**
- **Separate Listen, Call and Talk buttons with Digi-latch™ technology give users complete control of system communications while maintaining ease of operation.**
- **Backlit buttons with lettering on the button allow users to see which button to push, even in darkened room environments.**
- **Convenient 1/8-inch rear data connector allows the Master Station to be linked with one or more ES4000A Expansion Stations for access of up to 22 intercom channels.**
- **VOX (voice activated microphone) feature is on/off programmable via front panel with individual trim pots for headset and front panel microphones.**
- **Rack mountable in a variety of modular configurations with one of several optional rack mount kits.**

US2002

User Stations

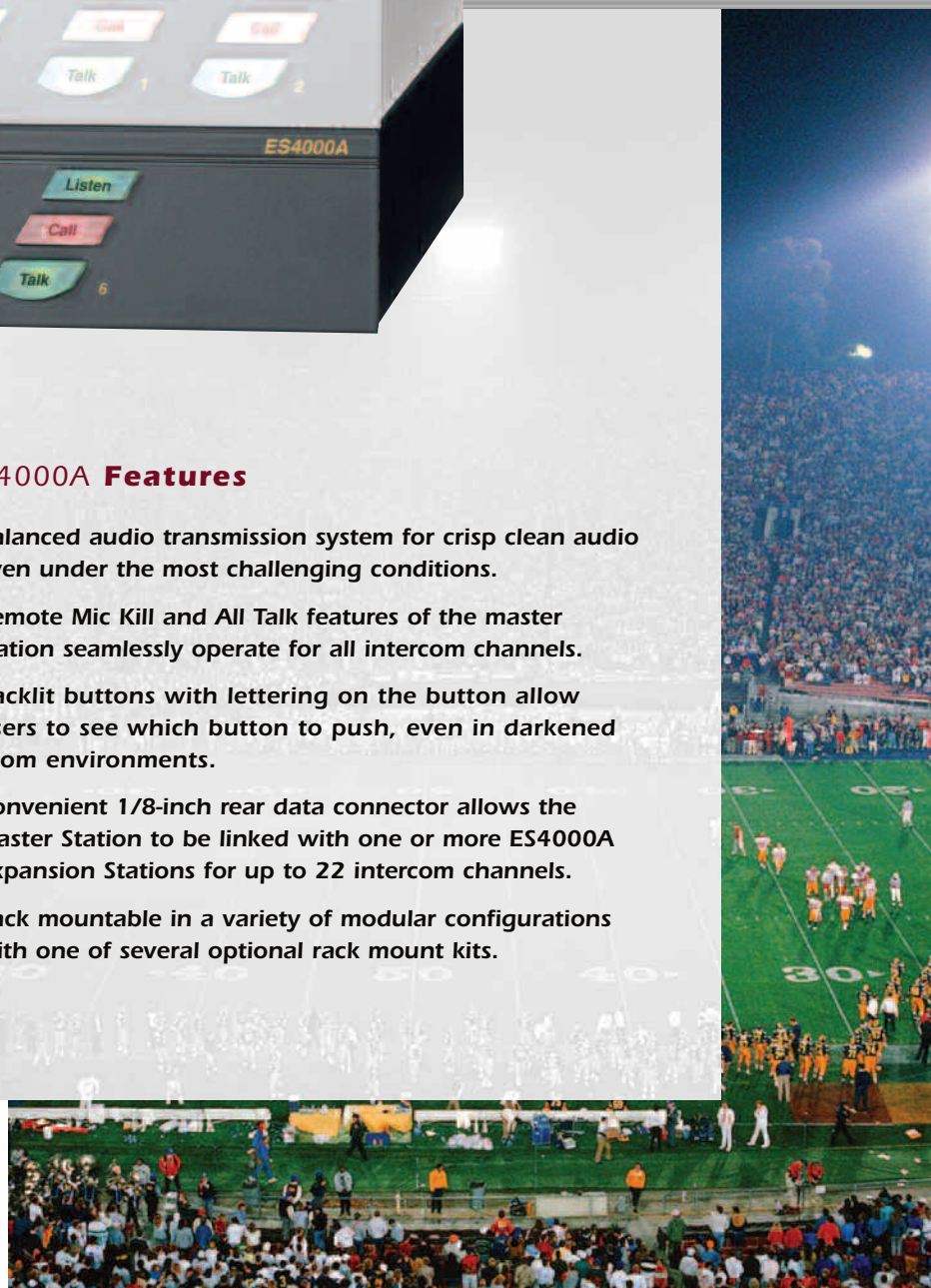
Expansion Stations

The Audiocom ES4000A Expansion Station, like the EMS4001, seamlessly connects to the User Station to increase the number of discrete intercom channels from two up to 22. All functions of the User Station are preserved for all intercom channels by linking the ES4000A(s) to the US2002 via a convenient 1/8-inch rear data connector. Headset and/or Speaker/Mic operation for all intercom channels is accessed through the US2002 Master Station. Can operate in an unbalanced mode to be completely Clear-Com® compatible.

ES4000A

ES4000A **Features**

- **Balanced audio transmission system for crisp clean audio even under the most challenging conditions.**
- **Remote Mic Kill and All Talk features of the master station seamlessly operate for all intercom channels.**
- **Backlit buttons with lettering on the button allow users to see which button to push, even in darkened room environments.**
- **Convenient 1/8-inch rear data connector allows the Master Station to be linked with one or more ES4000A Expansion Stations for up to 22 intercom channels.**
- **Rack mountable in a variety of modular configurations with one of several optional rack mount kits.**



Power Supplies

Power supplies are the core of any professional intercom system. The power supply, whether it be a discrete component or integrated into a Master Station, provides system power for down line components such as beltpacks and speaker stations. All of Audiocom's new two-channel power supplies now feature as standard the revolutionary IAR (Instantaneous Auto Reset) technology for performance and safety. All Audiocom power supplies can operate in an unbalanced mode to be completely Clear-Com® compatible.

PS2001L

PS2001L

The PS2001L power supply supplies two isolated channels of intercom system phantom power to down line components. Intercom power channels may be combined via the Combine/Isolate switch to form a single intercom power channel with double the capacity for large party-line applications. The PS2001L may be combined with a US2002 User Station to create a two channel master station configuration or as a stand alone power supply. The resultant Master Station would be a headset only station, as the PS2001L does not have an integrated speaker. Rack mountable in a variety of modular configurations with one of several optional rack mount kits. Can operate in an unbalanced mode to be completely Clear-Com® compatible.

Power Supplies

SPS2001

SPS2001

The SPS2001 has all of the features of the PS2001L but adds the power of a built-in speaker and level control for monitoring intercom lines. The SPS2001 may be used as a stand-alone power supply and monitor box or in combination with a US2002 to create a two channel headset or speaker/mic Master Station (optional MCP90-3/8/12/18 panel mount microphone required). Like the PS2001L intercom power channels, it may be combined via the Combine/Isolate switch to form a single intercom power channel with double the capacity for large party-line applications. Rack mountable in a variety of modular configurations with one of several optional rack mount kits. Can operate in an unbalanced mode to be completely Clear-Com® compatible.

PS4001

PS4001

The PS4001 power supply supplies four isolated channels of intercom system phantom power to down line components. The PS4001 may be combined with an ES4000A Expansion Station to create additional intercom channels when using a US2002/PS2001L or US2000A/SPS2001 Master Station configuration. The PS4001 can also be used as a stand-alone power supply to provide power to four independent party-line channels. Rack mountable in a variety of modular configurations with one of several optional rack mount kits. Can operate in an unbalanced mode to be completely Clear-Com® compatible.

Speaker Stations

Both the single channel SS1002 and the dual channel SS2002 Speaker Stations can be used both as speaker stations (optional MCP90-3/8/12/18 panel mount microphone required) and/or as headset stations. Speaker Stations can be used stand-alone as a faceplate only, or in conjunction with a "U", "S", or "P" box, depending on application. Wall mount, desktop or portable configurations can be easily formed. Can operate in an unbalanced mode to be completely Clear-Com® compatible.

SS1002 / SS2002 Common Features

- **Balanced audio transmission system for crisp clean audio, even under the most challenging conditions.**
- **Headset operation for noise reduction and privacy.**
- **Front panel Speaker/Mic operation for convenience or multiple user operation. (Optional MCP90-3, MCP90-8, MCP90-12, MCP90-18 panel mount microphone required.)**
- **Dual-purpose level control adjusts both the speaker volume and the headset listen volume depending on which mode is enabled.**
- **Remote Mic Kill receive enabled so that an open mic can be silenced from any User or Master Station.**
- **Separate Listen, Call and Talk buttons with Digi-latch™ technology give users complete control while maintaining ease of operation.**
- **Bi-colored, backlit channel select light indicates which intercom channel is active (SS2002 only).**
- **Backlit buttons with lettering on the button allow users to see which button to push, even in darkened room environments.**
- **Can be locally powered for permanent installations.**
- **Built-in flush mounted microphone.**

SS1002

Single channel Speaker/Headset Station.

SS2002

Dual channel select Speaker/Headset Station. Only one intercom channel may be selected at any given time.

Speaker Stations

U-Box

Used for wall mounting speaker stations. The U-Box mounts to studs and has top/bottom (depending on mounting orientation) and side access holes for permanent installations. Intercom cabling connects directly to the terminals on the back of the Speaker Station.

S-Box

The S-Box offers a compact design with a convenient carrying handle for portable applications. Loop-through connectors on the side allow for easy intercom cabling. In single channel configuration, connectors are 3-pin male and female XLR. In dual channel configuration, XLRs are 6-pin. Inside the S-Box, loop-through XLRs are connected to the Speaker Station terminal block via pre-tinned leads.

P-Box

The P-Box offers a three-sided configuration for desktop applications. In addition to desktop applications, the P-Box has a variety of mounting holes on the back for additional flexibility. Loop-through connectors on the side allow for easy intercom cabling. In single channel configuration, connectors are 3-pin male and female XLR. In dual channel configuration, XLRs are 6-pin. Inside the S-Box, loop-through XLRs are connected to the Speaker Station terminal block via pre-tinned leads.

RM-Box

The two channel SS2002 RM (rackmount) box is suitable for desktop use, or can be rackmounted using the optional RM-14 rackmount ear kit. As with all the SS series, this unit features a built-in speaker and panel microphone. It is also capable of operation with a gooseneck microphone, headset, or handset.

Boxes

Audiocom mounting boxes add to the flexibility of the Speaker Stations by allowing one type of station to be effectively used in multiple configurations. Each box is rugged and built to last.

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Headset Stations

The wall mount intercom stations are designed for stationary, wall mount installation in standard doublewide electrical outlet boxes(2-gang). They connect to the intercom system using commonly available 22 gauge cable. Wall mount stations can be installed at strategic locations throughout a building. The user need only connect a headset or telephone style handset to begin communicating.

Beltpack stations are ideal for users who will be stationed in a general work area, but who need some mobility and wish to keep their hands free. Beltpacks can be connected in a daisy chain configuration directly back to the intercom system Power Supply or Master Station using Audiocom prefabricated, low-impedance cables. This is ideal for completely portable intercom systems. Alternatively, passive wall connector plates can be permanently installed at strategic locations, and beltpacks can then be connected to these using cables.

WM1000

Wall mount 1-channel headset station. Mounts in a standard electrical outlet box (doublewide type). High-quality audio system with mic limiter circuit. Back-lit control buttons for low-light operation. Talk and listen buttons with momentary/latching operation. Listen volume control. Call send button with call receive indicator light. Call receive beep tone with on/off selection. Mic kill receive with on/off selection. Side tone trimmer. Quick-connect, wire clamp terminals for party line wire connections. 4-pin male XLR headsets (balanced or unbalanced microphone). Powered from party line. Local power optional. Clear-Com® compatible.

WM2000

Wall mount 2-channel headset station. Identical to WM1000, except includes channel-select switch with 2-color back-light to indicate party line one or two.

WM1000

WM2000

Headset Stations

BP1002

Portable 1-channel beltpack headset station for mobile users. High-quality audio system with mic limiter circuit. Rugged, low-profile metal case with sturdy belt clip. Recessed volume control. Talk on/off switch with momentary/ latching operation. Call send button with receive indicator light. Call receive beep tone with on/off selection. Mic kill receive with on/off selection. Sidetone trimmer. 3-pin male and female XLR loop-through connectors for party line connection. 4-pin male XLR headset connector. Powered from party line. Clear-Com® compatible.

BP1002

BP2002

Portable 2-channel beltpack headset station for mobile users. Identical to BP1002 with following differences: Includes party line select switch with party line one and two indicator lights. 6-pin male and female XLR loop-through connectors for 2-channel connection. Powered from party line. Clear-Com® compatible.

BP2002

IFB1000

Portable 1-channel, listen-only beltpack. High-quality audio receive circuit. Rugged low-profile metal case with sturdy belt clip. Recessed volume control. Power on indicator. One 3-pin XLR connector for party line connection. 1/4-inch phone jack for earphone or earset. Uses same cables and wall plates as BP1002. Powered from party line.

IFB1000

IC-2B (not shown)

Portable 2-channel beltpack for mobile users. Simultaneous listen access to two party lines, with selectable talk on either channel. High-quality audio system with mic limiter circuit. Rugged metal case with sturdy belt clip. Recessed operator controls. Separate listening volume control for each channel. Master mic on/off switch. Select switch for monaural listening or stereo listening. Sidetone trimmer for each channel. 6-pin male and female XLR loop-through connectors for party lines. 5-pin male XLR connector for stereo, dynamic-mic headset. 1/4-inch, 3-conductor phone jack for monaural, carbon-mic headset. Powered from party lines.

Security Communications

ICW-3

PH-88-IC3

Security Communications

The Audiocom ICW-3 represents the ultimate in rugged, flexible security communications equipment. Unique audio shaping circuitry and VOX (voice threshold level activation) operation ensure maximum voice intelligibility for greater efficiency and fewer mistakes. Installation is quick and easy with our new two-piece, super rugged, maintenance free, polycarbonate package.

The ICW-3 supports both gooseneck microphones* and headset** operation to accommodate virtually any operational requirement. Installation is quick and easy with the supplied templates.

*Models MCP90 (sold separately)
**Models PH-88-IC3, PH-44-IC3 (sold separately)

Accessories

BOP-1000

Audiocom black 19" blank mounting rack — Required for mounting the following break out panels:

- **—TW**-7W
  One female XLR-3 into seven male XLR out (1/2 rack wide).
- **—XP**-ES4000
  15-pin female on ES4000A into eight XLR-3 — One male and one female for each of four channels (1/2 rack wide).
- **—XP**-4PGM
  9-pin male program input on ES4000A into four XLR-3 female (1/4 rack wide).
- **—US**-PG
  9-pin male program input on US2000A into two XLR-3 male plus 1/8" stereo PA output into a XLR-3 female (1/4 rack wide).

CCB-1

The CCB-1 interfaces a single Audiocom® balanced intercom channel to a single Clear-Com™ unbalanced intercom channel, with full audio and light signaling compatibility between the two intercom channels. The CCB-1 has no controls and is completely transparent to intercom system operation.

JB-2

Junction Box is a breakout box that can take one two-channel cable and split it into two single-channel outputs, or it can take two single-channel cables and combine them to form one single two-channel cable. It includes one male and one female XLR-3 type connector for each channel, and one male and two female XLR-6 type connectors for channels one and two combined.

TW-5W

Splitter Box one in five out cable splitter — One female XLR to five male XLR.

WP-1

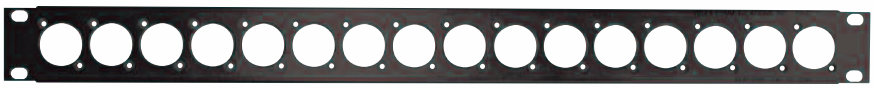
Single Channel Wall Plate — Male XLR-3 type connector.

WP-2

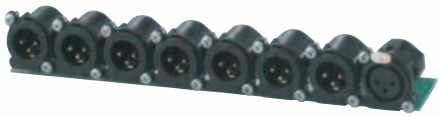
Single Channel Wall Plate with two-channel switch — Male XLR-3 type connector.

WP-3

Two-Channel Wall Plate — Male XLR-6 type connector.



BOP-1000



TW-7W

XP-4PGM

XP-ES4000

US-PG

CCB-1

JB-2

TW-5W

WP-1

WP-2

WP-3

Accessories

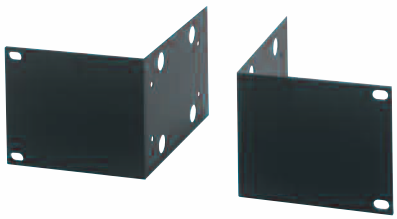
SSA-424A

SSA-324

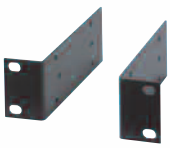
CIA-1000

IC-6SX

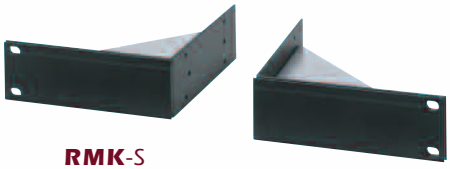
PS-1F



RM-14



RMK-D



RMK-S

SSA-424A

Provides 2 independent channels of 2-wire (TW) to 4-wire hybrids in a 1/2 rack wide by 1 RU package. The TW interface is suitable for balanced and unbalanced systems, allowing Audiocom® party line or Matrix systems to interface to virtually ANY party-line intercom system in use today. Option card allows translation of call lights and two-way radio interfacing. Easy to read front panel level meters make matching audio levels simple, and the SSA-424A advanced DSP hybrid eliminates all need for manual nulling, even under varying loads.

SSA-324

System-to-system adapter interfaces two channels of 2-wire to 4-wire conversion. SSA-324 is also available with coupling transformers

CIA-1000

Call light indicator. Features top mounted (standard) or front mounted (optional) red flashing call light. Offers channel select control, line and loop connectors, and spring clamp terminals for relay closure output in a 1/2 rack wide by 1 high package. Ideal for high noise applications or when users cannot monitor headsets full time such as theater or touring sound.

IC-6SX

Source Assign Panel. Allows the assignment of any one of six inputs to any one of twelve outputs. An expansion connector is provided to allow an additional unit to be cascaded for a total of 24 outputs. Utilizes passive electronics so no additional power is required. Requires 1 RU of rack space per unit. The IC-6SX is ideal for systems that require rapid reconfiguration.

PS-1F

Single-Channel, Flush-Mount Power Supply. The PS-1F is designed for installation in a standard double wide type electrical box. It is capable of powering up to 5 belt-pack headset stations. Short-circuit current limiting and thermal shutdown make the PS-1F essentially immune to overload.

RM-14

Rack Mount Kit for SS2002 RM only.

RMK-D

Dual Rack Mount Kit for two: US2002, ES4000A, PS4001, PS2001L or SPS2001 (side by side in 19" rack).

RMK-S

Single Rack Mount Kit for one: US2002, ES4000A, PS4001, PS2001L or SPS2001 in center of 19" rack).

Headsets

Telex offers a wide variety of headsets, earsets and gooseneck mics to meet any intercom or talent monitoring need. All headsets are available in 4 pin or 5 pin configuration, and all styles are available in single or dual muff.

HR-1 ▪ HR-2

Medium-weight passive noise reduction headsets with dynamic noise canceling microphone. The headset has a noise reduction rating of 21 dB; suitable for moderately noisy environments. The ergonomic headband design distributes the ear cushion pressure evenly over the entire ear, insuring hours of comfortable wearing. The headset folds into compact form for ease of storage. HR-1 is single muff, HR-2 is dual muff. Available in 4 or 5 pin XLR connectors (male or female) and pigtail.

PH-44 ▪ PH-88

Super light-weight headsets with dynamic noise canceling microphone. Adjustable gooseneck mic boom for precise positioning. High quality wide band earphones. PH-88 is single muff mono; PH-44 is dual muff mono. Available in 4 or 5 pin XLR connectors (male or female) and pigtail.

PH-1 ▪ PH-2 ▪ PH-3

Medium-weight headset with foam filled cushions offers a light feel with moderate isolation from ambient noise. Dynamic noise canceling mic is easily positioned with unique continuously adjustable ball joint. PH-1 is single muff mono; PH-2 is dual muff mono, and PH-3 is dual muff stereo. Available in 4 or 5 pin XLR connectors (male or female) and pigtail.

PH-10

The maximum in passive noise reduction. The PH-10 offers an EPA rated NRR of 24 dB. Perfect for industrial and concert applications. Dynamic noise canceling microphone, dual muff mono, available in 4 or 5 pin XLR connectors (male or female) and pigtail.

PH-120

PH-120 is a super-lightweight headset with an electret mic. The microphone, which is omni-directional, has a built-in cough switch, which puts no limitations on the user. Weighing less than 2 ounces, this earset gives the freedom of maneuverability and comfort. Available with 4 pin male or female XLR connectors.

PH-150

Earclip is a simple and comfortable alternative to the headband headsets and is ideal for hands-free use. The adjustable mouthpiece allows the user to adjust the electret microphone for personal preferences. Includes male/female convertor.

HR-1

HR-2

PH-44

PH-88

PH-1

PH-2

PH-10

PH-120

PH-150

Headsets/Earsets/Mics

PH-100

PH-200

EMV-2

CES-1

CES-2

HS-6A

MCP90-18 18" (45.7 cm)
MCP90-12 12" (30.5 cm)
MCP90-8 8" (20.3 cm)
MCP90-3 3" (7.5 cm)
MCP90-0 1.8" (4,4 cm)

PH-100 ▪ PH-200

The PH-100 and PH-200 are premium medium-weight noise reduction headsets with dynamic microphones. Similar to the HR-1 and HR-2 headsets, the PH-100 and PH-200 feature a unique, comfortable headband design that distributes pressure evenly. This headset comes with high quality moleskin cushions and offers a 21 dB noise reduction rating. The PH-100 and PH-200 are portable and able to fold into an extremely compact shape. Available in 4 or 5 pin XLR connectors (male or female) and pigtail.

Earsets/Microphones

Earsets

Telex offers the widest variety of earsets, cords, ear tips, earloops and tubes, and accessories in the industry. A separate catalog of earsets and accessories is available. The most popular configurations are listed below.

EMV-2

The most basic configuration, includes 125 ohm Telethin® driver, 5' low luster gray cord with 1/4" straight phone plug, and nylon earloop.

CES-1

Ideally suited for use by on-air talent, with any of the RTS IFB beltpacks. Complete with 125 ohm Telethin® driver, 5' low luster gray cord with 1/4" straight phone plug, and coiled acoustic eartube, clothing clip and S/M/L earcones.

CES-2

Similar to CES-1 with 5' beige cord with 3.5 mm straight phone plug.

HS-6A

Telephone style handset with push-to-talk switch, dynamic earphone and dynamic mic. Terminated with A4F plug. Available in white or black.

Audiocom Gooseneck Microphones

Audiocom black electret cardioid microphone is ideally suited for vocal sound reinforcement, public address and intercom applications. The unidirectional cardioid response makes it particularly beneficial when background noise is a problem. The microphone features a threaded trs male connector that is compatible with all "2002" Audiocom products. The removable windscreen provides pop-filtering, response-shaping and overload protection to further enhance the acoustic performance of the microphone.

Products	Height	Width	Depth	Weight
BP-1002/2002	2.0" (51 mm)	3.5" (89 mm)	5.0" (127 mm)	1.5 lbs (0.68 kg)
CCB-1	1.625" (41 mm)	2.625" (67 mm)	5.0" (127 mm)	1 lb (0.45 kg)
EMS4001	1.735" (44 mm)	16.5" (419 mm)	10.125" (257 mm)	6.54 lbs (2.9 kg)
ES4000A	1.75" (44.5 mm)	8.25" (210 mm)	10.0" (254 mm)	1.3 lbs (0.59 kg)
IC-2B	1.75" (44.5 mm)	4.0" (117 mm)	5.5" (140 mm)	1.62 lbs (0.74 kg)
IC-6SX	1.75" (44.5 mm)	19.0" (482 mm)	3.85" (98 mm)	3.44 lbs (1.55 kg)
ICW-3	5.125" (130 mm)	5.125" (130 mm)	3.5" (89 mm)	1.75 lbs (0.79 kg)
MS2002	1.735" (44 mm)	16.5" (419 mm)*	10.125" (257 mm)	6.56 lbs (3.0 kg)
MS4002	1.735" (44 mm)	16.5" (419 mm)*	10.125" (257 mm)	6.56 lbs (3.0 kg)
PS2001L	1.75" (44.5 mm)	8.25" (210 mm)	9.5" (241 mm)	8.0 lbs (3.6 kg)
PS4000A	1.75" (44.5 mm)	8.25" (210 mm)	10.2" (259 mm)	2.25 lbs (1 kg)
SPK-2000	1.75" (44.5 mm)	8.25" (210 mm)	10.31" (262 mm)	2.5 lbs (1.13 kg)
SPS-2001	1.75" (44.5 mm)	8.25" (210 mm)	10.2" (259 mm)	2.25 lbs (1 kg)
SSA-324	1.72" (44 mm)	8.19" (208 mm)	8.0" (204 mm)	2.75 lbs (1.3 kg)
SSA-424A	1.72" (44 mm)	8.19" (208 mm)	8.0" (204 mm)	2.75 lbs (1.3 kg)
SS1002/2002P	8.5" (216 mm)	9.5" (241.5 mm)	4.1" (103 mm)	5.0 lbs (2.2 kg)
SS1002/2002S	6.6" (168 mm)	8.46" (214 mm)	2.08" (52.5 mm)	5.0 lbs (2.2 kg)
SS1002/2002U	6.1" (153.5 mm)	8.1" (204.8 mm)	3.15" (79.5 mm)	5.0 lbs (2.2 kg)
US2002	1.75" (44.5 mm)	8.25" (210 mm)	10.0" (254 mm)	1.3 lbs (.59 kg)
WM1000/2000	4.5" (114 mm)	4.6" (117 mm)	2.3" (58 mm)	1 lb (0.45 kg)

** Front mounts full 19" (482 mm)*

Specifications

Products	DC Requirements	Max. Current
BP-1002/2002	24 Vdc (line only)	65 mA
CCB-1	24 Vdc (line only)	12 mA
ES4000A	12 Vdc local/24 Vdc line	150 mA
SPK2000	12-18 Vdc (local only)	150 mA
SS1002/2002	12 Vdc local/24 Vdc line	175 mA
US2002	12 Vdc local/24 Vdc line	150 mA
WM1000/2000	12 Vdc local/24 Vdc line	65 mA

Products	Input Requirements	Power Output
PS-1F	105-125 VAC, 50-400 Hz	0.5 Amps/12 watts
PS2001L	105-255 VAC, 50-400 Hz	2.0 Amps/48 watts
PS4001	95-255 VAC, 50-400 Hz	2.0 Amps/48 watts
SPS2001	95-255 VAC, 50-400 Hz	2.0 Amps/48 watts
MS2002	95-255 VAC, 50-400 Hz	2.0 Amps/48 watts
MS4002	95-255 VAC, 50-400 Hz	4.0 Amps/96 watts
EMS4001	95-255 VAC, 50-400 Hz	2.0 Amps/48 watts

Audiocom® System Specifications

Audio Line Impedance:
300 ohm per channel—typically supplied by system Power Supply — unless locally powered.

Station Bridging Impedance:
(Individual Stations) 10K ohms nominal.

DC Line Voltage:
24 Vdc nominal — 17 to 30 Vdc operational.

Wiring Requirements:
22 gauge stranded, twisted pair plus shield or additional pair — per channel.

Station Inputs:
Microphone (electret): 2-10K ohm (dynamic): 50-200 ohm

Station Outputs:
Headphone: 150-600 ohm phones

Operating Distance:
Typical two station with a single 24 Vdc Power Supply, 1 mile without light signalling using 22 AWG stranded, twisted cable. System performance over long distances is directly relative to cable length, cable capacitance, wire size, and the current drain of all of the stations connected.

Audiocom®
innovative solutions for today's communications™

For information

on any of the products shown in this catalog please visit our web site at

www.telex.com

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- **Handbook of Intercom Systems Engineering**
- **System Applications Guide**

RadioCom™

The Telex® RadioCom™ BTR-800 UHF wireless intercom is truly different. The BTR-800 offers a list of standard features that is unparalleled in the industry and will change the way wireless intercom is done forever. Features include full UHF operation, two intercom channel access from each beltpack, stage announce output with relay closure, wireless talk around (ISO), Enhanced ClearScan™, talk/listen headset station at the base, and much, much more. Combine all of that with an easy-to-use graphical user interface that lets you get started right out of the box, and you've got the most innovative and versatile wireless intercom ever made. But features aren't the only story; the BTR-800 wireless intercom is a serious performer. With technology leaps like Intelligent Power Control™, combination tone code/RF noise squelch and DSP digital audio processing, this is one wireless intercom that sounds great, even at a great distance! If your application requires the highest performance and utmost reliability, you need the new Telex RadioCom BTR-800 wireless intercom system.

RadioCom, wireless that works!™

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All the power of a digital matrix intercom in a 2 RU package for the price of a party line intercom system. The RTS Zeus™ 2400 Matrix intercom system provides up to 24 channels of CD quality audio. Each channel is capable of supporting any of the RTS line of matrix key panels, or 4 wire inputs and outputs for program and IFB feeds. The Zeus 2400 system comes complete with AZ-Edit, Windows®-based, full-featured configuration software, providing on-line and off-line configuration capabilities.

Take control of your communications with Zeus Matrix intercom systems.

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